

Appl. No. 09/764,561  
Atty. Docket No. 8386  
Amdt. dated June 29, 2005  
Reply to Office Action of May 4, 2005  
Customer No. 27752

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (previously presented) A treatment composition comprising an anhydrous liquid emulsifiable concentrate of a reactive agent comprising, by weight:
  - i) from about 0.01% to about 20% of one or more reactive agents wherein the reactive agent is comprised of one or more reactive groups of the electrophilic, nucleophilic or protected thiol type;
  - ii) from about 20% to about 99% of a water immiscible solvent;
  - iii) from about 2 to about 40% of a surfactant selected from one or more of a C<sub>8</sub>-C<sub>16</sub> alkyl ethoxylate with two to seven ethoxylates; and
  - iv) from about 0.5% to about 20% of a dispersing aide selected from one or more of a C<sub>5</sub>-C<sub>10</sub> alcohol

wherein the anhydrous liquid emulsifiable concentrate of a reactive agent self emulsifies or spontaneously emulsifies upon dilution with water or a separate aqueous composition, to form an aqueous micro- or macro- emulsion either immediately prior to or simultaneous to application to a substrate.

2. (canceled)
3. (original) A treatment composition according to Claim 1, wherein the reactive agent is covalently reactive with an amino acid based substrate.
4. (original) A treatment composition according to Claim 3, wherein the reactive agent is covalently reactive with hair.
5. (original) A treatment composition according to Claim 4, wherein the reactive agent additionally comprises a cosmetically active functional group.
6. (original) A treatment composition according to Claim 4, wherein the reactive agent comprises an electrophilic reactive group selected from the group consisting of halotriazines, haloquinoxalines, halopyrimidines, vinylsulfones,  $\beta$ -

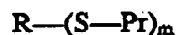
Appl. No. 09/764,561Atty. Docket No. 8386Amdt. dated June 29, 2005Reply to Office Action of May 4, 2005

Customer No. 27752

haloethylsulfones,  $\beta$ -sulfatoethylsulfones, acrylates, methacrylates, acrylamides, methacrylamides, maleimides, epoxides, acylhalides, esters, carbamates, dithiocarboxylic acid esters, alkoxysilanes, thiosulfates, anhydrides, urea derivatives, isothiocyanates, isocyanates, lactones, thiosulfates, isothiuroniums, azalactones and mixtures thereof.

7. (original) A treatment composition according to Claim 4, wherein the reactive agent comprises a nucleophilic reactive group selected from the group consisting of thiols, thiolates, thiols or thiolates containing quaternary salts, thioalkyl esters, thioalkylamides, thiol or thiolate derivatives of cysteamine, and mixtures thereof.

8. (original) A treatment composition according to Claim 4, wherein the reactive agent comprises a protected thiol reactive group having the formula



where R is a mono or multivalent cosmetically active functional group, S is sulfur, Pr is a protecting group and m is an integer between 1 and 100.

9. (original) A treatment composition according to Claim 8, wherein the protecting group is selected from the group consisting of heterocyclic protecting groups,  $sp^2$  aliphatic trigonal carbon protecting groups,  $sp^3$  carbon electrophilic protecting groups, phosphorus protecting groups, metal based protecting groups, non-metal and metalloid based protecting groups other than phosphorus, energy-sensitive protecting groups and mixtures thereof.

10. (canceled)

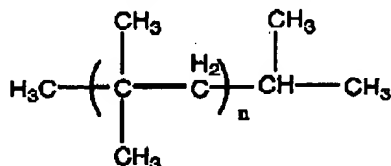
11. (canceled)

12. (original) A treatment composition according to Claim 1, wherein the water immiscible solvent is selected from the group consisting of a volatile or nonvolatile silicone compound, a volatile or nonvolatile hydrocarbon compound, propylene carbonate and mixtures thereof.

Appl. No. 09/764,561Atty. Docket No. 8386Amdt. dated June 29, 2005Reply to Office Action of May 4, 2005

Customer No. 27752

13. (original) A treatment composition according to Claim 12, wherein the water immiscible solvent is selected from the group consisting of volatile and nonvolatile hydrocarbon compounds having about 10 to 30 carbon atoms, isododecane, isohexadecane and compounds depicted by the following general structure:



wherein n ranges from 2 to 5.

14. (original) A treatment composition according to Claim 12, wherein the water immiscible solvent is selected from the group consisting of linear polydimethylsiloxanes, cyclic polydimethylsiloxanes and mixtures thereof.
15. (original) A treatment composition according to Claim 14, wherein the water immiscible solvent is selected from the group consisting of hexamethylsiloxane, cyclomethicone and mixtures thereof.
16. (canceled)
17. (canceled)
18. (canceled)
19. (canceled)
20. (canceled)
21. (canceled)
22. (previously presented) A treatment composition according to Claim 1, wherein the surfactant is a C<sub>12</sub> ethoxylate with 2-4 ethoxylates.

Appl. No. 09/764,561  
Atty. Docket No. 8386  
Amdt. dated June 29, 2005  
Reply to Office Action of May 4, 2005  
Customer No. 27752

23. (previously presented) A treatment composition according to Claim 1, wherein the surfactant is from about 4% to about 15%.
24. (previously presented) A treatment composition according to Claim 1, wherein the treatment composition is in the presence of a separate aqueous composition which is comprised of a fluid, lotion, fluid cream or cream having a viscosity from 500 to 100,000 mPas or above.
25. (original) A treatment composition according to Claim 24, wherein the separate aqueous composition is a hair shampoo, skin cleanser, skin lotion, hair conditioner, hair dye, hair permanent wave, hair straightener, hair bleach, styling spray, hair mousse, two-in-one shampoo, fabric softener, lotions, nail polish, or hair serum.
26. (canceled)
27. (canceled)
28. (canceled)
29. (canceled)
30. (canceled)
31. (canceled)
32. (canceled)
33. (canceled)
34. (canceled)
35. (canceled)
36. (canceled)
37. (canceled)
38. (canceled)

Appl. No. 09/764,561  
Atty. Docket No. 8386  
Amdt. dated June 29, 2005  
Reply to Office Action of May 4, 2005  
Customer No. 27752

39. (canceled)

40. (canceled) .

41. (original) A method of treating amino acid based substrates by applying to the substrates an effective amount of composition according to Claim 1, wherein the composition provides a long-lasting treatment effect.

42. (original) A method of bleaching, coloring, and/or conditioning hair by applying to hair an effective amount of composition according to Claim 1, wherein the composition provides a long-lasting treatment effect.

43. (canceled)